CLAIMS

- 1. A dye-sensitized solar cell, comprising:
 - a first substrate having a light-transmitting property;
- a semiconductor electrode containing a sensitizing dye and arranged in such a manner that a first surface of the semiconductor electrode faces the first substrate;
- a first collector electrode arranged on a second surface of the semiconductor electrode;

an insulating layer arranged in contact with the first collector electrode;

- a catalytic electrode layer arranged in such a manner that a first surface of the catalytic electrode layer faces the insulating layer;
- a second substrate arranged on a second surface of the catalytic electrode layer; and

an electrolyte material incorporated in the semiconductor electrode, the first collector electrode and the insulating layer.

- 2. The dye-sensitized solar cell according to claim 1, wherein the second substrate is made of ceramic and/or metal.
- 3. The dye-sensitized solar cell according to claim 1 or 2, wherein the semiconductor electrode is prepared from titanium oxide.
- 4. The dye-sensitized solar cell according to any one of claims 1 to 3, wherein the first collector electrode is in the form of a porous layer.
- 5. The dye-sensitized solar cell according to any one of claims 1 to 3, wherein the first collector electrode has a planar configuration in a grid pattern, comb pattern or radial pattern.
- 6. The dye-sensitized solar cell according to any one of claims 1 to 5, further comprising a second collector electrode between the second substrate and the catalytic electrode layer.

7. The dye-sensitized solar cell according to claim 6, wherein the second collector electrode has a planar configuration in a sheet form or in a grid pattern, a comb pattern or a radial pattern.